

Flamewalker

by Arya Akhavan (December 2015)

Angles for R.I. = 1.540

31 + 12 girdles = 43 facets

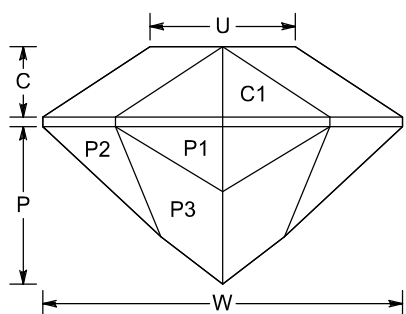
3-fold, mirror-image symmetry

96 index

$L/W = 1.042$ $T/W = 0.465$ $U/W = 0.403$

$P/W = 0.437$ $C/W = 0.196$

$Vol./W^3 = 0.217$



PAVILION

P1	45.67°	03-29-35-61-67-93	Cut to centerpoint.
P2	43.00°	08-24-40-56-72-88	Meet at culet.
G1	90.00°	03-29-35-61-67-93	Set stone size.
G2	90.00°	08-24-40-56-72-88	Level girdle.
P3	43.00°	04-28-36-60-68-92	Meet P1, P2, G1, G2

CROWN

C1	40.70°	03-29-35-61-67-93	Set girdle width.
C2	33.22°	08-24-40-56-72-88	Level girdle.
T	0.00°	Table	Meet C1, C2

This is a highly modified version of a design by someone else, but I can't for the life of me remember whose design I used for inspiration. Lots of straight lines on the crown, and a pavilion that has a bit of loss due to the larger P3 facets but will perform insanely well across a broad range of RIs. And the reflection pattern becomes insane with increasing RI! Works in materials from quartz to CZ (RI = 1.54 - 2.16) with no changes.

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